Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Please cancel claims 11-25, 27 and 32-35 without prejudice.

Listing of Claims

Claim 1 (previously presented): A substantially pure nucleic acid comprising consecutive nucleotides that encode a human TRELL polypeptide, wherein said TRELL polypeptide comprises the amino acid sequence of SEQ ID NO:4.

Claim 2 (previously presented): A substantially pure nucleic acid comprising consecutive nucleotides that encode TRELL, said nucleic acid consisting essentially of SEQ ID NO:1 or SEQ ID NO:3.

Claim 3 (previously presented): A substantially pure nucleic acid consisting essentially of SEQ ID NO:1 or SEQ ID NO:3, said nucleic acid encoding a polypeptide, said polypeptide consisting essentially of SEQ ID NO:2 or SEQ ID NO:4.

Claim 4 (previously presented): A substantially pure nucleic acid that hybridizes under stringent conditions to SEQ ID NO:3, wherein said stringent conditions comprise washing steps using 2X SSC, 0.1% SDS at 65°C, and wherein said nucleic acid encodes a TRELL polypeptide of SEQ ID NO:4, or a soluble fragment thereof, that is capable of binding to a cell selected from the group consisting of:

a) a K562 promyelocytic cell;

b) a THP-1 monocytic leukemia cell;

c) an HT29 colon adenocarcinoma cell;

d) a 293 embryonic kidney cell; and

e) a Cos kidney fibroblast cell.

Claim 5 (previously canceled).

Claim 6 (previously presented): The nucleic acid of claim 1 operably linked to an expression control sequence.

Claim 7 (previously presented): The nucleic acid of claim 6 comprising SEQ ID NO:3.

Claim 8 (previously presented): A host cell transformed with the nucleic acid of claim 6 or 7.

Claim 9 (previously canceled).

Claim 10 (currently amended): A method for producing substantially pure TRELL polypeptide comprising the steps of culturing the host cell of claim 8 and isolating TRELL polypeptide from said transformed host cell to obtain substantially pure TRELL polypeptide.

Claims 11-25 (canceled).

Claim 26 (previously canceled).

Claim 27 (canceled).

Claim 28 (currently amended): A method of expressing a TRELL polypeptide in an animal cell culture comprising the steps of:

introducing a vector comprising a nucleic acid molecule having consecutive nucleotides that encode said TRELL polypeptide into said cell culture, wherein said TRELL polypeptide comprises the amino acid sequence of SEQ ID

NO:4, or a soluble fragment thereof that is capable of binding to a cell selected from the group consisting of:

a) a K562 promyelocytic cell;

b) a THP-1 monocytic leukemia cell;

c) an HT29 colon adenocarcinoma cell;

d) a 293 embryonic kidney cell; and

e) a Cos kidney fibroblast cell; and

allowing said cell culture to live under conditions wherein said nucleic acid molecule is expressed in said cell culture.

Claim 29 (previously canceled).

Claim 30 (previously presented): The method of claim 28 wherein said animal cell culture is a an insect cell culture or a mammalian cell culture.

Claim 31 (previously presented): The method of claim 28 wherein said vector is a virus or a plasmid.

Claims 32-35 (canceled).

Claims 36-38 (previously canceled).

Claim 39 (previously presented): A substantially pure nucleic acid, consisting essentially of consecutive nucleotides that encode a TRELL polypeptide having the amino acid sequence of SEQ ID NO:2.

Claim 40 (previously presented): A substantially pure nucleic acid, comprising consecutive nucleotides that encode a human TRELL polypeptide, wherein said nucleic acid comprises SEQ ID NO:3.

Claim 41 (previously presented): The nucleic acid of claim 4, wherein said soluble fragment of said TRELL polypeptide comprises an amino-terminus that begins between amino acid numbers 81 and 139 of SEQ ID NO:4.

Claim 42 (previously presented): The nucleic acid of claim 41, wherein said soluble fragment of said TRELL polypeptide comprises amino acid numbers 81 to 284 of SEQ ID NO:4.

Claim 43 (previously presented): The method of 30, wherein said mammalian cell culture is a human cell culture.

Claim 44 (previously presented): A method of expressing a TRELL polypeptide in an animal cell culture, comprising the steps of:

introducing a vector comprising a nucleic acid molecule comprising consecutive nucleotides encoding a TRELL polypeptide into said cell culture, wherein said TRELL polypeptide consists essentially of the amino acid sequence of SEQ ID NO:2; and

allowing said cell culture to live under conditions wherein said nucleic acid molecule is expressed in said cell culture.

Claim 45 (previously presented): The method of claim 44, wherein said animal cell culture is an insect cell culture or a mammalian cell culture.

Claim 46 (previously presented): The host cell of claim 8, wherein said host cell is a mammalian cell.

Claim 47 (previously presented): The host cell of claim 46, wherein said mammalian cell is a human cell.